

Information Requested from the Roxboro Steam Station

1. Please provide the type and source (i.e., mine name and location) of coal used at the plant each day from January 2012 through December 2013. In addition, please provide the sulfur and chlorine content of the coal used at the plant for each day of this period, if available. For days where coal blending occurred, please note the percentage of each type of coal used.

Response:

Only monthly average sulfur content (% As_Received) and SO₂ (lbm/Mbtu) is recorded. This information is provided in the "Roxboro EPA Data 3_14_14" spreadsheet on tab "SEO4643A4-Mayo".

2. Please provide the following information for each day, beginning with the earliest date of sampling data you have provided through the end of 2013 (i.e., September 2009 through December 2013, if available:
 - a) Chloride concentration, pH, and average daily oxidation-reduction potential (ORP) values within each FGD scrubber system;

Response:

Average daily chloride concentration, pH and ORP values within each FGD scrubber system are provided in the "Roxboro EPA Data Final 3_14_14" spreadsheet under tab "FGD System Information". These measurements are taken off the absorber. Roxboro consists of four units, each will serviced by its own absorber.

- b) Chloride concentration, pH, and average daily ORP values for the influent to the FGD wastewater treatment system; and

Response:

The FGD wastewater treatment system consists of a settling basin followed by a bioreactor. Chloride concentration is not measured in the influent to the settling basin. There are no reliable measurements of ORP or pH on the influent to the settling basins.

Chloride concentration is not measured in the influent to the bioreactor. pH and average daily ORP values are measured in the influent to the bioreactor. This information is provided in the "Roxboro EPA Data Final 3_14_14" spreadsheet under tab "Bioreactor Influent".

- c) Electric generation output (MW -hr) for each generating unit serviced by a FGD system.

Response:

The electric generation output (MW-hr) for each generation unit serviced by a FGD system is provided in the "Roxboro EPA Data Final 3_14_14" spreadsheet under tab "Electricity Generation".